

POM-13602/29
41804sh

ABSTRACT OF THE DISCLOSURE

A thermally conductive, wear-resistant alloy is particularly suited to cladding aluminum engine head valve seats. In the preferred embodiments, the alloys are metallurgically compatible with the cast Al-Si alloy used for the engine head. Three
5 alternative embodiments are disclosed, namely, copper-based alloys; aluminum silicon-based alloys; and two-layer systems.